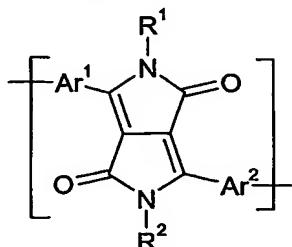


## Claims

1. A polymer comprising a repeating unit of the formula



(I), wherein

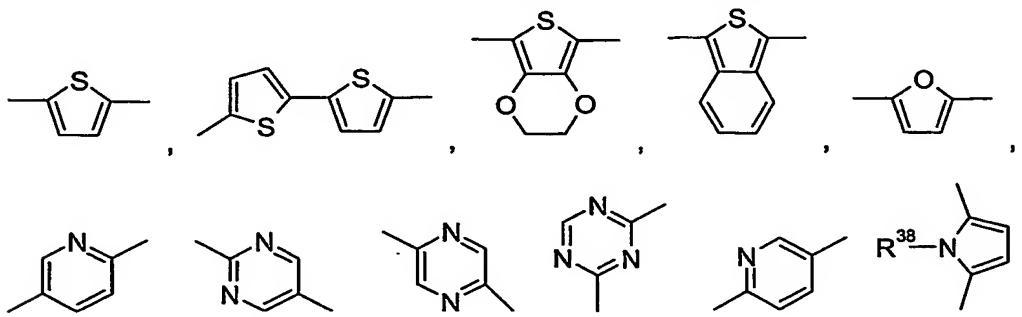
Ar<sup>1</sup> and Ar<sup>2</sup> are independently of each other a C<sub>6</sub>-C<sub>30</sub>aryl group or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group, which can optionally be substituted,

$R^1$  and  $R^2$  may be the same or different and are selected from a  $C_1$ - $C_{25}$ alkyl group, which can optionally be interrupted by one or more oxygen atoms, an allyl group, which can be substituted one to three times with  $C_1$ - $C_4$ alkyl, a cycloalkyl group, which can be substituted one to three times with  $C_1$ - $C_8$ alkyl, or  $C_1$ - $C_8$ alkoxy, or a cycloalkyl group, which can be condensed one or two times by phenyl, which can be substituted one to three times with  $C_1$ - $C_4$ -alkyl, halogen, nitro or cyano, an alkenyl group, a cycloalkenyl group, an alkynyl group, a haloalkyl group, a haloalkenyl group, a haloalkynyl group, a ketone or aldehyde group, an ester group, a carbamoyl group, a ketone group, a silyl group, a siloxanyl group,  $Ar^3$  or  $-CR^3R^4-(CH_2)_g-Ar^3$ , wherein

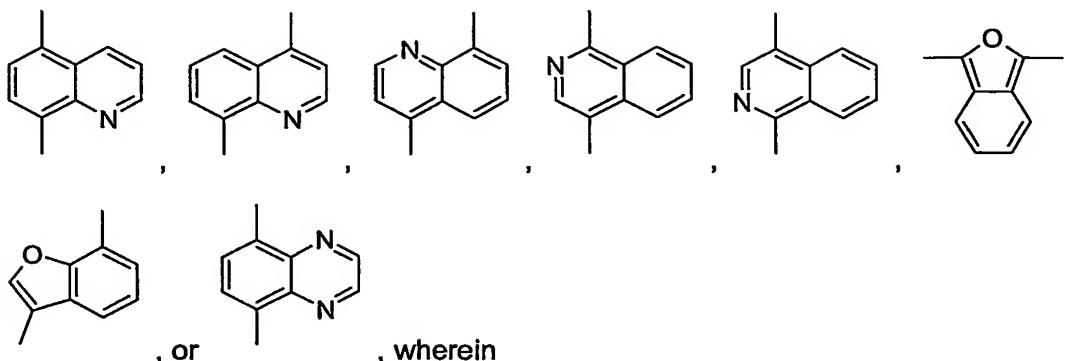
$R^3$  and  $R^4$  independently from each other stand for hydrogen, fluorine, cyano or  $C_1-C_4$ alkyl, which can be substituted by fluorine, chlorine or bromine, or phenyl, which can be substituted one to three times with  $C_1-C_4$ alkyl,

20 Ar<sup>3</sup> stands for aryl or heteroaryl, in particular phenyl or 1- or 2-naphthyl which can be substituted one to three times with C<sub>1</sub>-C<sub>8</sub>alkyl and/or C<sub>1</sub>-C<sub>8</sub>alkoxy, and g stands for 0, 1, 2, 3 or 4.

2. The polymer according to claim 1, wherein  $\text{Ar}^1$  and  $\text{Ar}^2$  are independently of each other

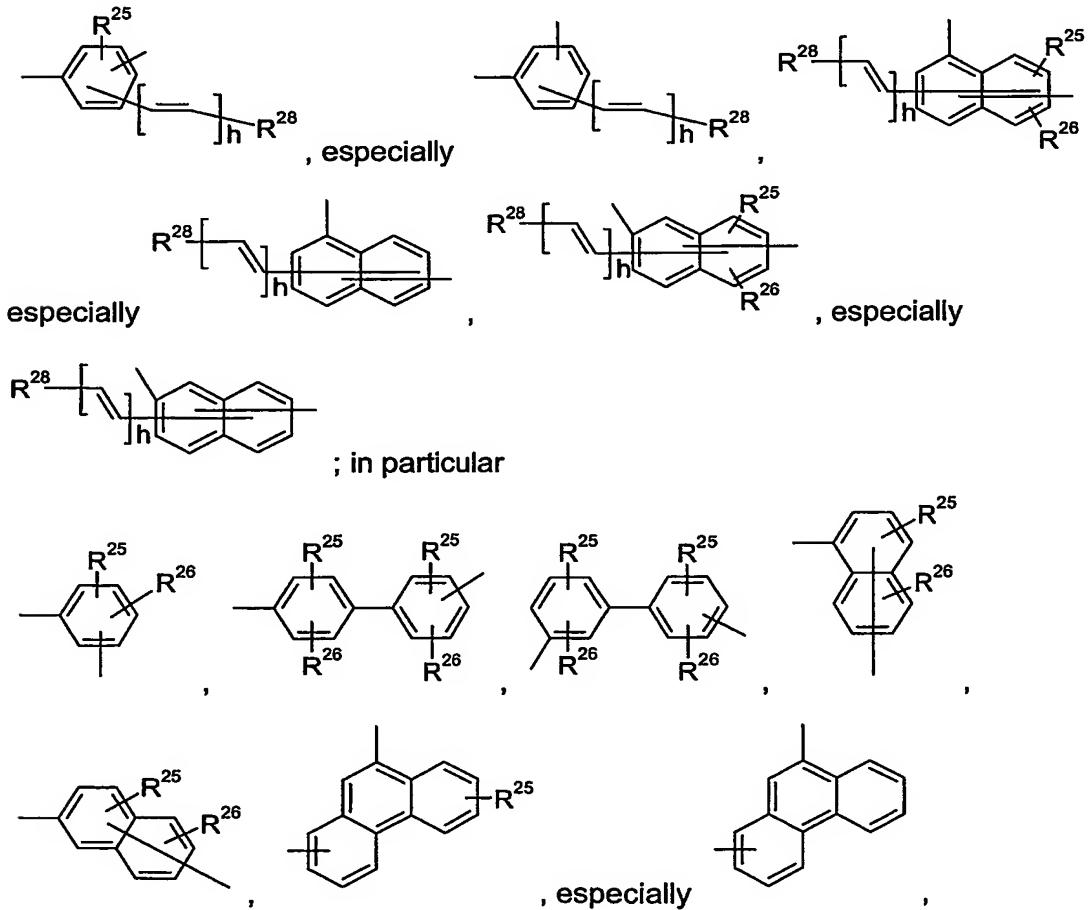


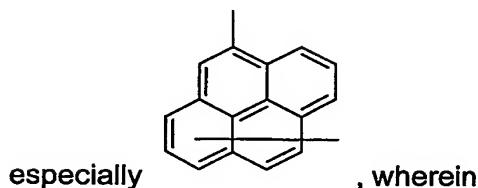
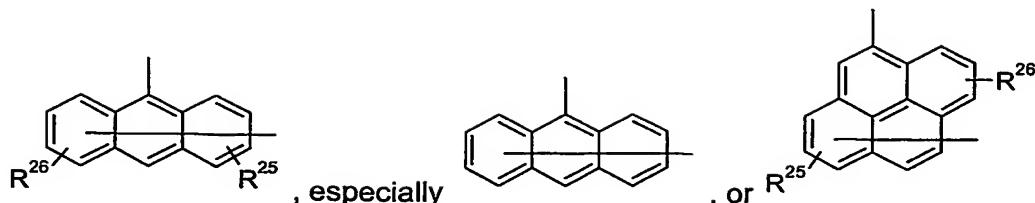
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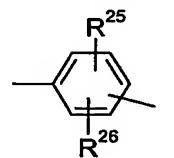
$R^{38}$  stands for hydrogen,  $C_6$ - $C_{10}$ aryl,  $C_7$ - $C_{12}$ alkylaryl,  $C_7$ - $C_{12}$ aralkyl, or  $C_1$ - $C_8$ -alkyl.

5 3. The polymer according to claim 1, wherein Ar<sup>1</sup> and Ar<sup>2</sup> are independently of each other

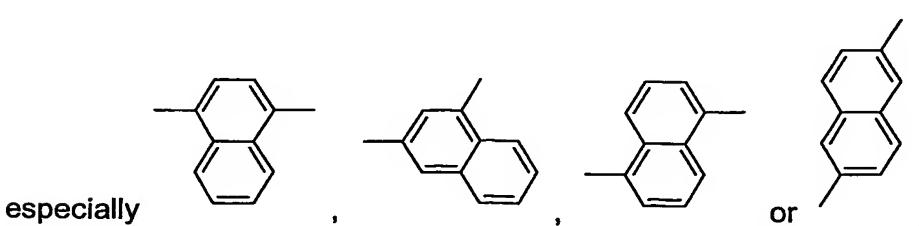
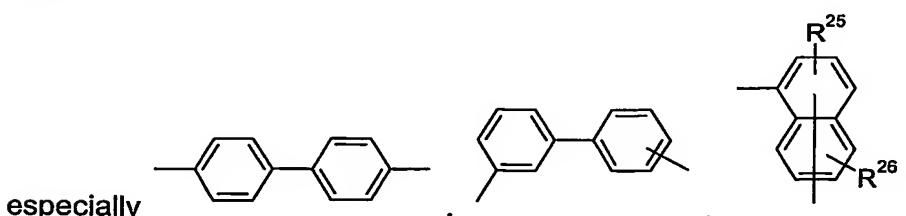
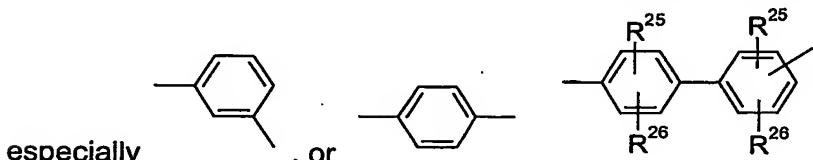




$R^{25}$ ,  $R^{26}$  and  $R^{27}$  independently from each other stands for hydrogen,  $C_1$ - $C_{25}$ alkyl,  $C_1$ - $C_{25}$ alkoxy,  $-CR^{11}R^{12}-(CH_2)_g-Ar^6$ , cyano,  $NO_2$ , halogen,  $-OR^{29}$ ,  $-NR^{29}R^{30}$ ,  $-S(O)_pR^{31}$ ,  $C_2$ - $C_8$ heteroaryl, such as thiophenyl, or  $C_6$ - $C_{14}$ aryl, such as phenyl, which can be substituted one to three times with  $C_1$ - $C_8$ alkyl, or  $C_1$ - $C_8$ alkoxy, wherein  $R^{29}$  and  $R^{30}$  independently of each other stand for H,  $C_1$ - $C_{25}$ -alkyl,  $C_5$ - $C_{12}$ -cycloalkyl,  $-CR^{11}R^{12}-(CH_2)_g-Ph$ ,  $C_6$ - $C_{24}$ aryl, or a saturated or unsaturated heterocyclic group comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur.  $R^{31}$  stands for



$C_1-C_{25}$ alkyl, or  $C_6-C_{14}$ aryl,  $R^{28}$  stands for  $C_6-C_{30}$ arylene, especially

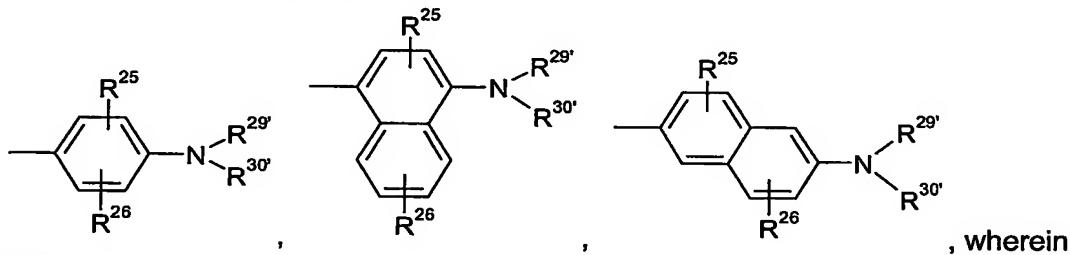


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p stands for 0, 1, 2 or 3, g and h stands for 0, 1, 2, 3 or 4,

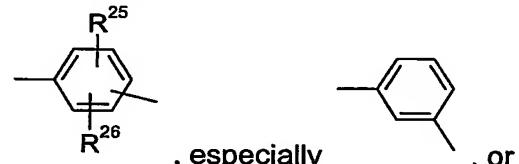
Ar<sup>6</sup> stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C<sub>1</sub>-C<sub>8</sub>alkyl, C<sub>1</sub>-C<sub>8</sub>alkoxy, halogen, nitro, cyano, phenyl, which can be substituted with C<sub>1</sub>-C<sub>8</sub>alkyl or C<sub>1</sub>-C<sub>8</sub>alkoxy one to three times, -NR<sup>23</sup>R<sup>24</sup>, wherein R<sup>23</sup> and R<sup>24</sup> represent hydrogen, C<sub>1</sub>-C<sub>25</sub>-alkyl, C<sub>5</sub>-C<sub>12</sub>-cycloalkyl or C<sub>6</sub>-C<sub>24</sub>-aryl, in particular phenyl or 1- or 2-naphthyl which can be substituted one to three times with C<sub>1</sub>-C<sub>8</sub>alkyl, C<sub>1</sub>-C<sub>8</sub>alkoxy, halogen or cyano, or phenyl, which can be substituted with C<sub>1</sub>-C<sub>8</sub>alkyl or C<sub>1</sub>-C<sub>8</sub>alkoxy one to three times, and

R<sup>11</sup> and R<sup>12</sup> independently from each other stand for hydrogen, fluorine, cyano or C<sub>1</sub>-C<sub>4</sub>alkyl, which can be substituted by fluorine, or phenyl which can be substituted one to three times with C<sub>1</sub>-C<sub>4</sub>alkyl, or

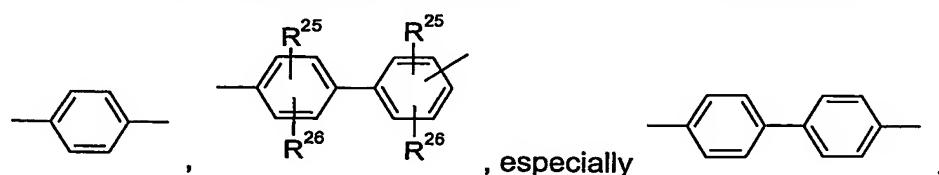


, wherein

R<sup>29</sup> stands for H, C<sub>1</sub>-C<sub>25</sub>-alkyl, C<sub>5</sub>-C<sub>12</sub>-cycloalkyl, -CR<sup>11</sup>R<sup>12</sup>-(CH<sub>2</sub>)<sub>9</sub>-Ph, C<sub>6</sub>-C<sub>24</sub>aryl,

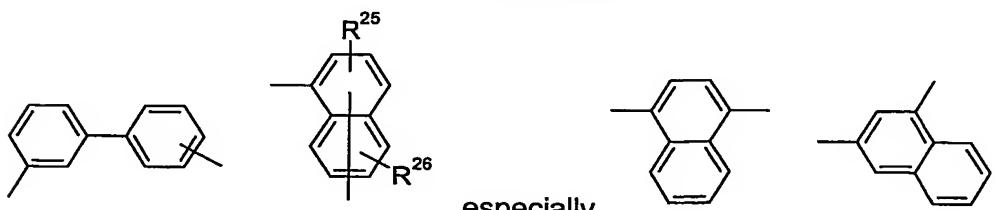


R<sup>30</sup> stands for C<sub>6</sub>-C<sub>30</sub>arylene, especially

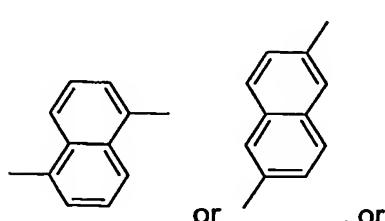


, especially

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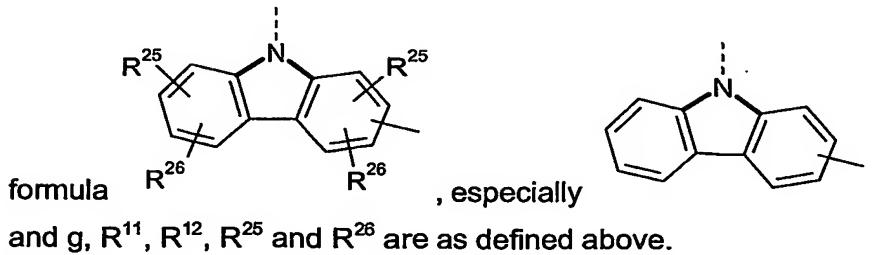


, especially

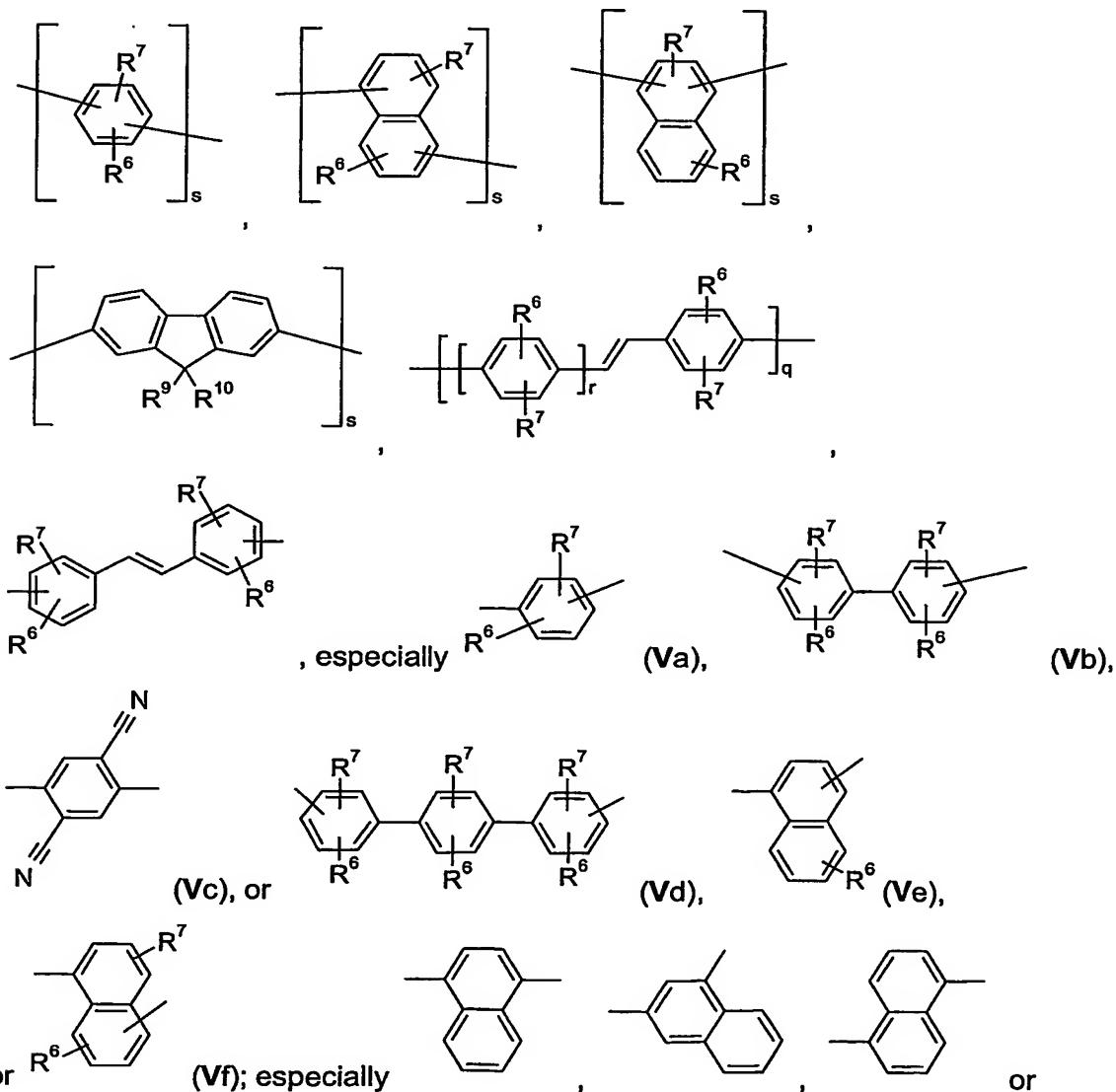


, or

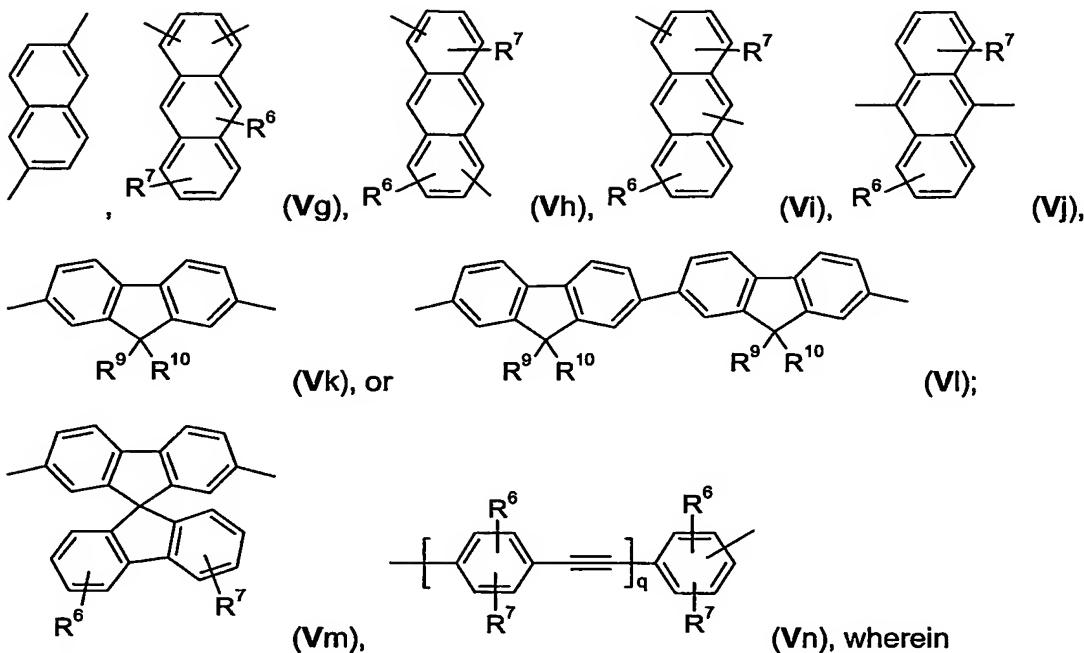
$R^{29}$  and  $R^{30}$  together with the nitrogen to which they are bonded form a group of



5 4. The polymer according to any of claims 1 to 3, comprising one or more (at least one) repeating unit(s)  $Ar^3$  which is selected from the group consisting of



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r is an integer from 1 to 10, especially 1, 2 or 3,

5 q is an integer from 1 to 10, especially 1, 2 or 3,

s is an integer from 1 to 10, especially 1, 2 or 3,

R<sup>6</sup> and R<sup>7</sup> are independently of each other H, halogen, -CN, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, -C(=O)-R<sup>17</sup>, -C(=O)OR<sup>17</sup>, or -C(=O)NR<sup>17</sup>R<sup>18</sup>,

10 R<sup>9</sup> and R<sup>10</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl, or

15 R<sup>9</sup> and R<sup>10</sup> together form a group of formula =CR<sup>100</sup>R<sup>101</sup>, wherein

R<sup>100</sup> and R<sup>101</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, or C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, or

20 R<sup>9</sup> and R<sup>10</sup> together form a five or six membered ring, which optionally can be substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, or -C(=O)-R<sup>17</sup>, and

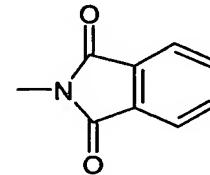
$R^{16}$  and  $R^{17}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

5 D is -CO-, -COO-, -S-, -SO-, -SO<sub>2</sub>-, -O-, -NR<sup>65</sup>-, -SiR<sup>70</sup>R<sup>71</sup>-, -POR<sup>72</sup>-, -CR<sup>63</sup>=CR<sup>64</sup>-, or -C≡C-, and

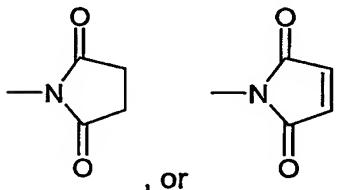
E is -OR<sup>69</sup>, -SR<sup>69</sup>, -NR<sup>65</sup>R<sup>66</sup>, -COR<sup>68</sup>, -COOR<sup>67</sup>, -CONR<sup>65</sup>R<sup>66</sup>, -CN, -OCOOR<sup>67</sup>, or halogen,

G is E,  $C_1$ - $C_{18}$ alkyl,

10  $R^{63}$ ,  $R^{64}$ ,  $R^{65}$  and  $R^{66}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or



$R^{65}$  and  $R^{66}$  together form a five or six membered ring, in particular



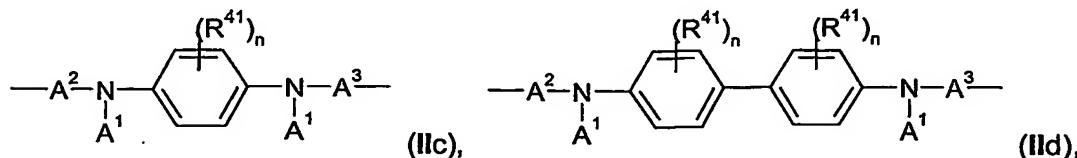
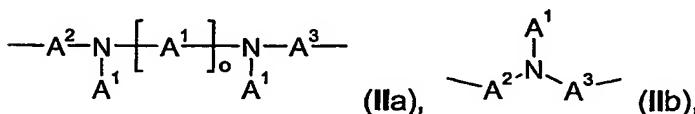
, or

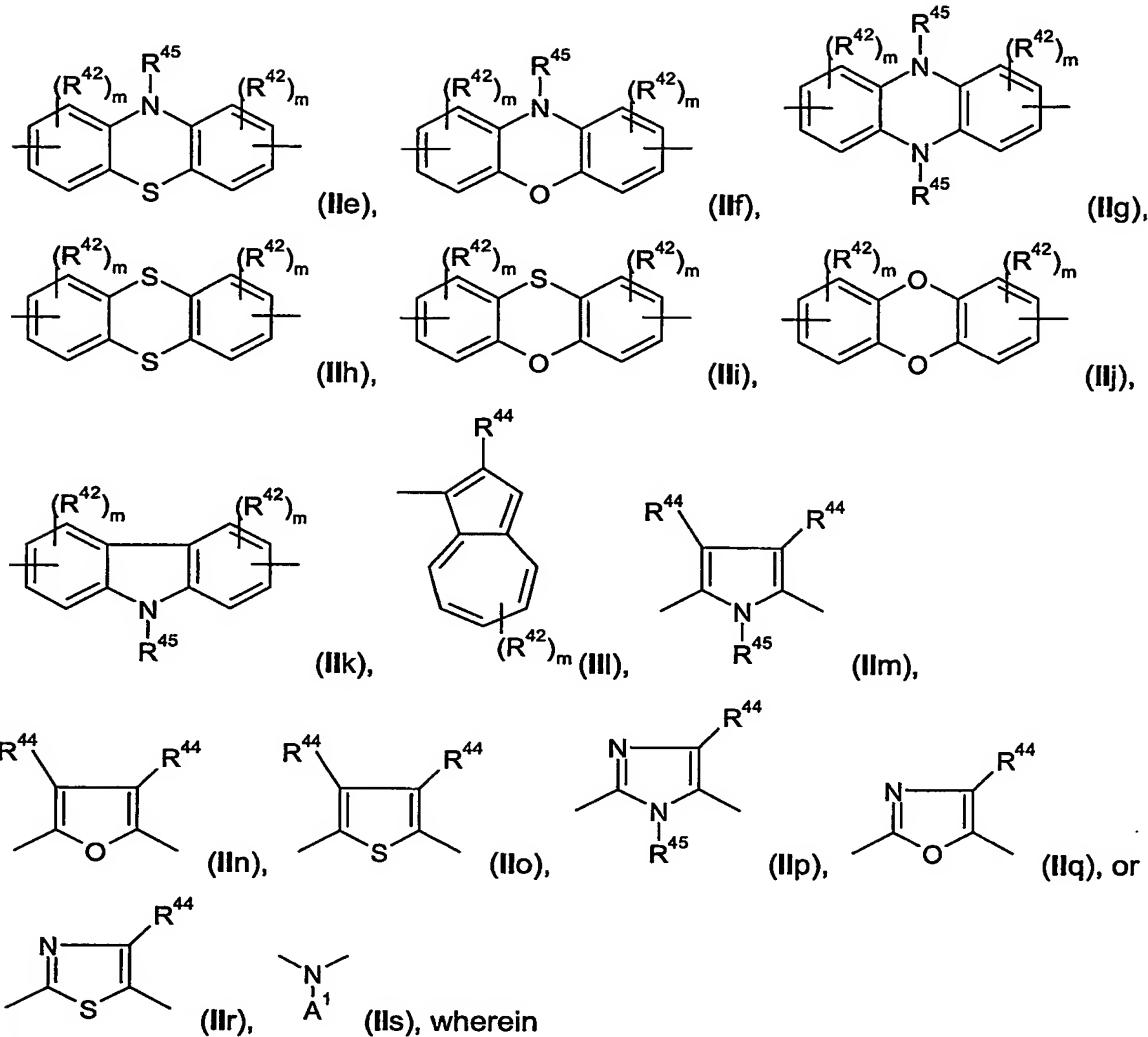
15  $R^{67}$  and  $R^{68}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{69}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

20  $R^{70}$  and  $R^{71}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and

$R^{72}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl;





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$R^{41}$  can be the same or different at each occurrence and is Cl, F, CN,  $N(R^{45})_2$ , a  $C_1$ - $C_{25}$ alkyl group, a  $C_4$ - $C_{18}$ cycloalkyl group, a  $C_1$ - $C_{25}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-NR^{45}-$ ,  $-O-$ ,  $-S-$ ,  $-C(=O)-O-$ , or  $-O-C(=O)-O-$ , and/or wherein one or more hydrogen atoms can be replaced by F, a  $C_6$ - $C_{24}$ aryl group, or a  $C_6$ - $C_{24}$ aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups  $R^{41}$ , or two or more groups  $R^{41}$  form a ring system;

10

$R^{42}$  can be the same or different at each occurrence and is CN, a  $C_1$ - $C_{25}$ alkyl group, a  $C_4$ - $C_{18}$ cycloalkyl group, a  $C_1$ - $C_{25}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-NR^{45}-$ ,  $-O-$ ,  $-S-$ ,  $-C(=O)-O-$ , or  $-O-C(=O)-O-$ , and/or wherein one or more hydrogen atoms can be replaced by F, a  $C_6$ - $C_{24}$ aryl group, or a  $C_6$ - $C_{24}$ aryloxy group, wherein one or more

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carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or

two or more groups R<sup>41</sup> form a ring system;

R<sup>44</sup> can be the same or different at each occurrence and are a hydrogen atom, a C<sub>1</sub>-

5 C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or, -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted

10 by one or more non-aromatic groups R<sup>41</sup>, or CN, or

two or more groups R<sup>44</sup>, which are in neighbourhood to each other, form a ring;

R<sup>45</sup> is H, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or, -O-C(=O)-O-, and/or wherein one or more

15 hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>;

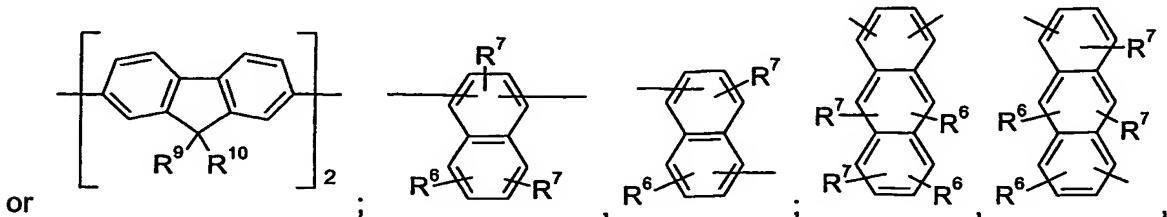
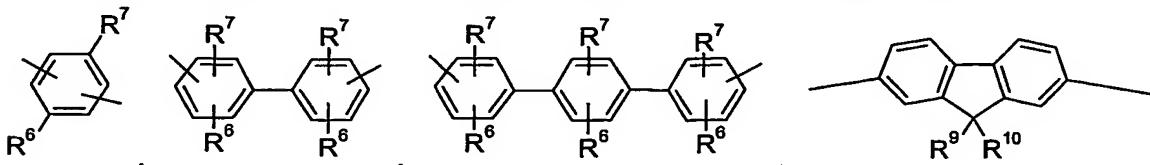
m can be the same or different at each occurrence and is 0, 1, 2, or 3, especially 0, 1, or 2, very especially 0 or 1;

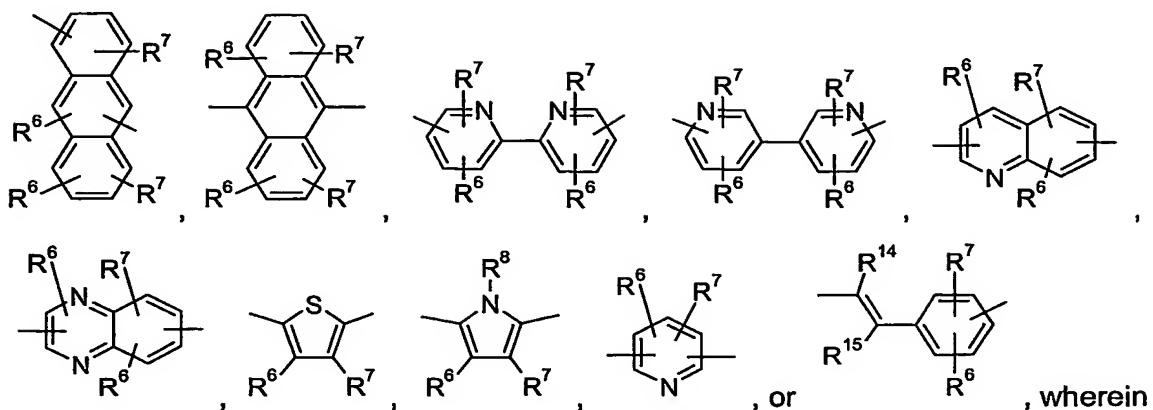
20 n can be the same or different at each occurrence and is 0, 1, 2, or 3, especially 0, 1, or 2, very especially 0 or 1;

o is 1, 2, or 3, especially 1, or 2, and u is 1, 2, 3, or 4;

A<sup>1</sup> is a C<sub>6</sub>-C<sub>24</sub>aryl group, a C<sub>2</sub>-C<sub>30</sub>heteroaryl group, which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or NO<sub>2</sub>,

25 especially phenyl, naphthyl, anthryl, biphenylyl, 2-fluorenyl, phenanthryl, or perylenyl, A<sup>2</sup> and A<sup>3</sup> are independently of each other a C<sub>6</sub>-C<sub>30</sub>arylene group, or a C<sub>2</sub>-C<sub>24</sub>heteroarylene group, which can optionally be substituted, especially

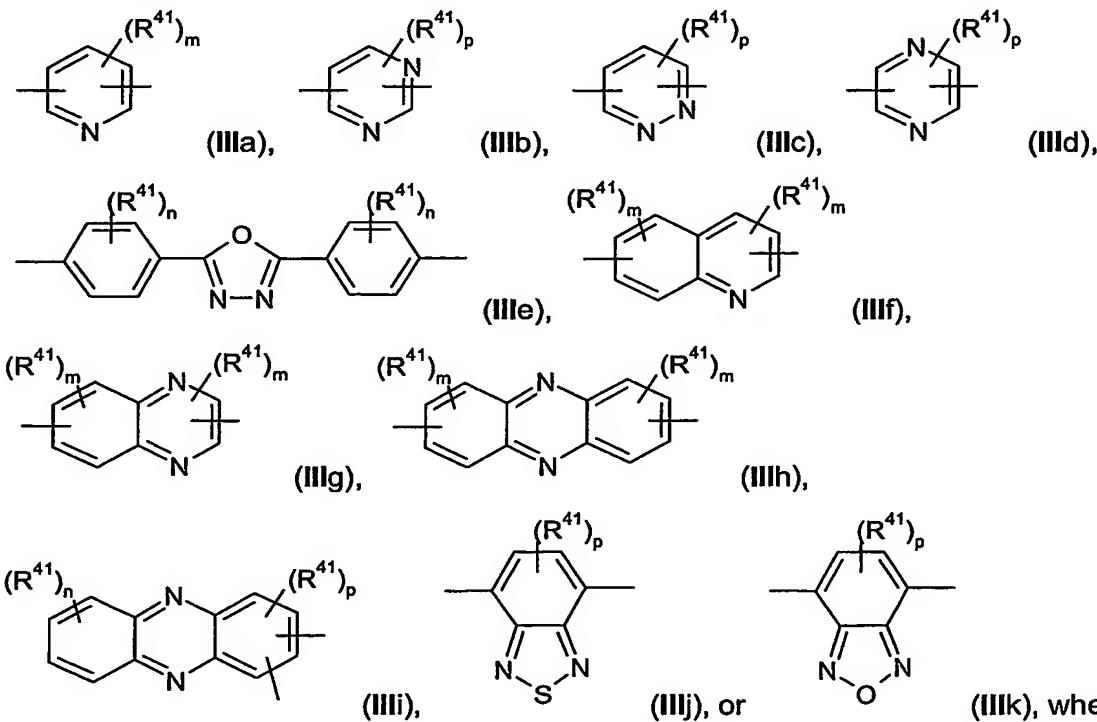




$R^6$ ,  $R^7$ ,  $R^9$  and  $R^{10}$  are as defined above,

$R^8$  is H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ -  
5  $C_{24}$  aryl, or  $C_7$ - $C_{25}$ aralkyl,

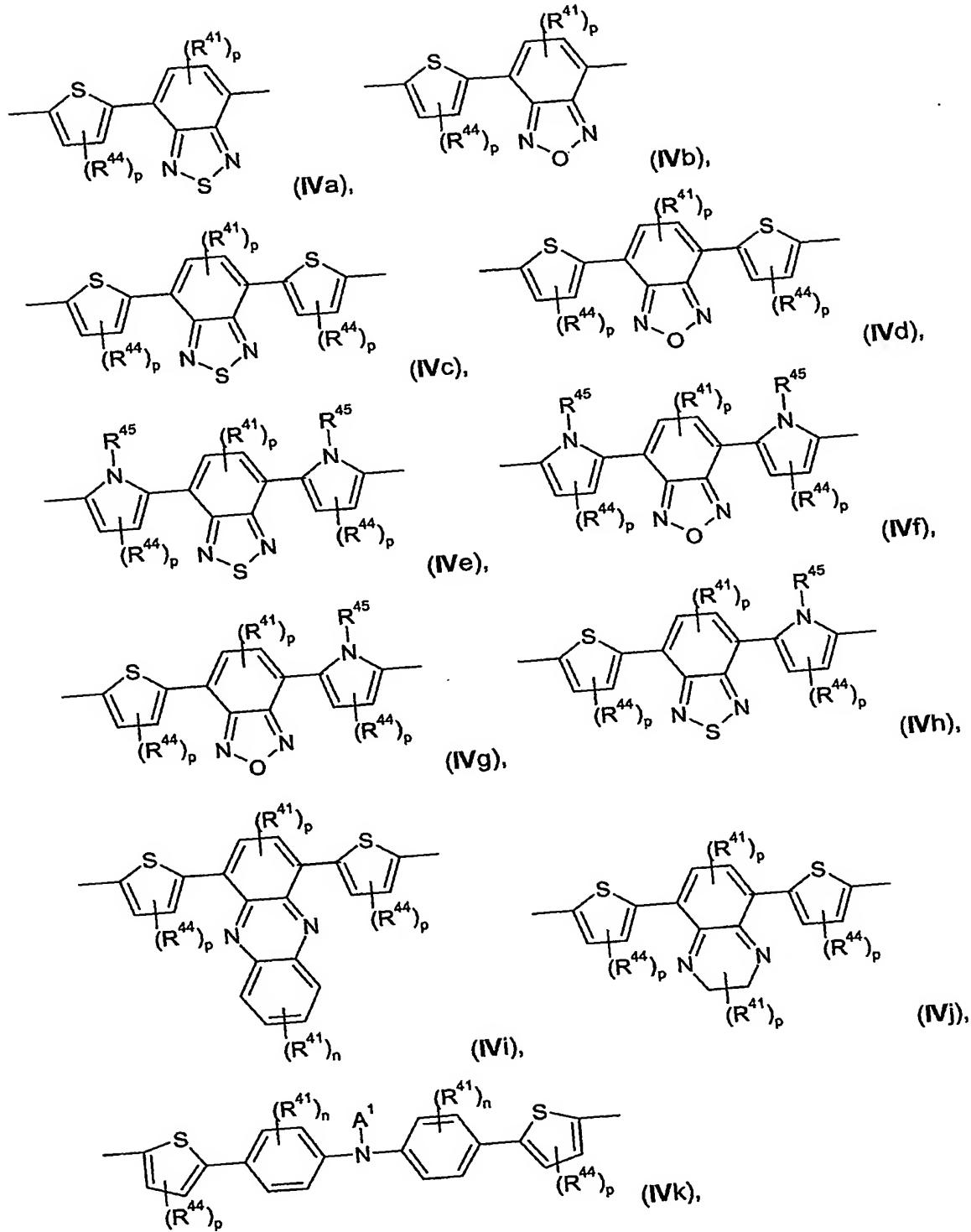
$R^{14}$  and  $R^{15}$  are independently of each other H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by E, or  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by E, wherein E and D are as defined above,



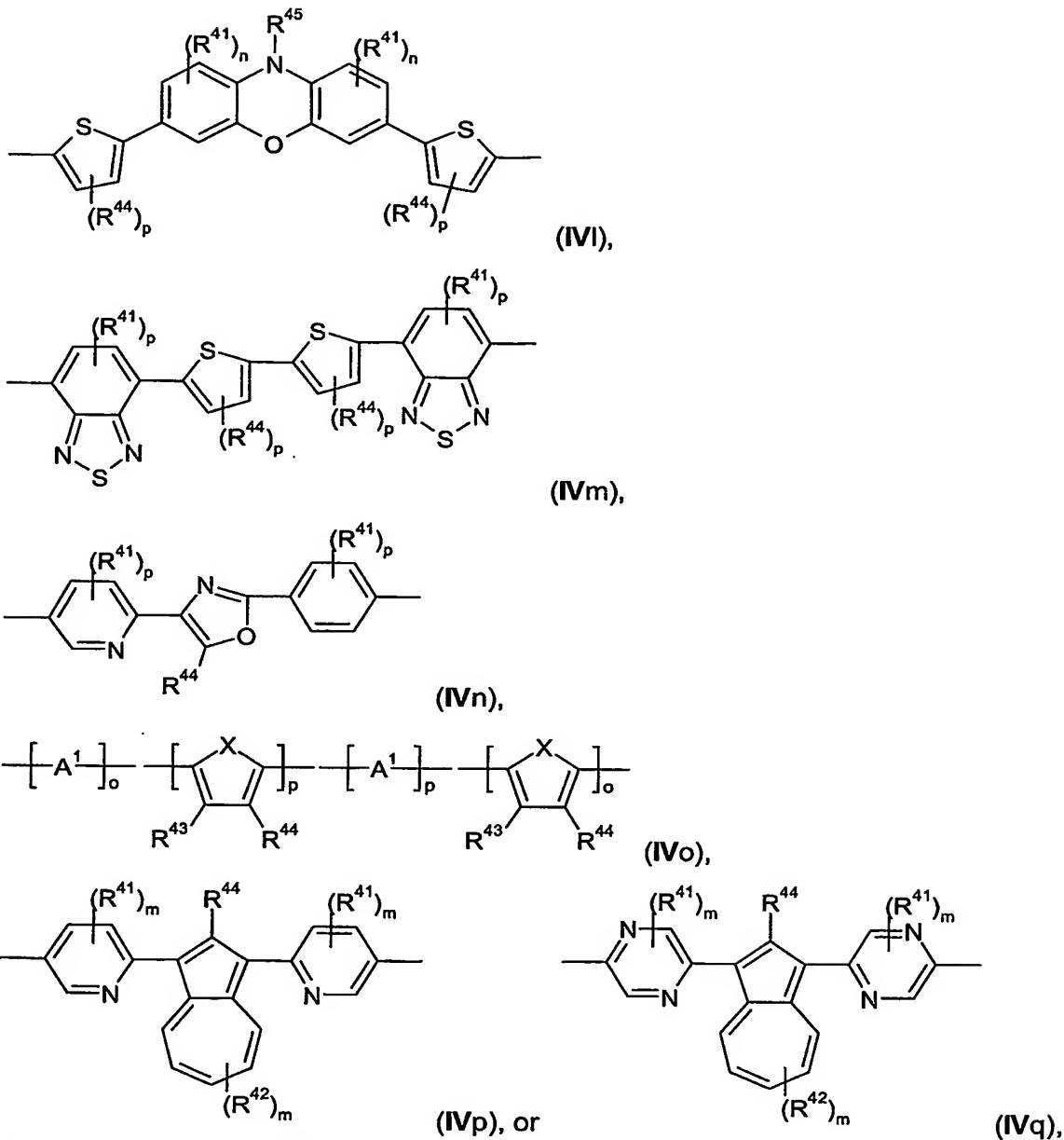
$R^{41}$  and m and n are as defined above and

p is 0, 1, or 2, especially 0 or 1;

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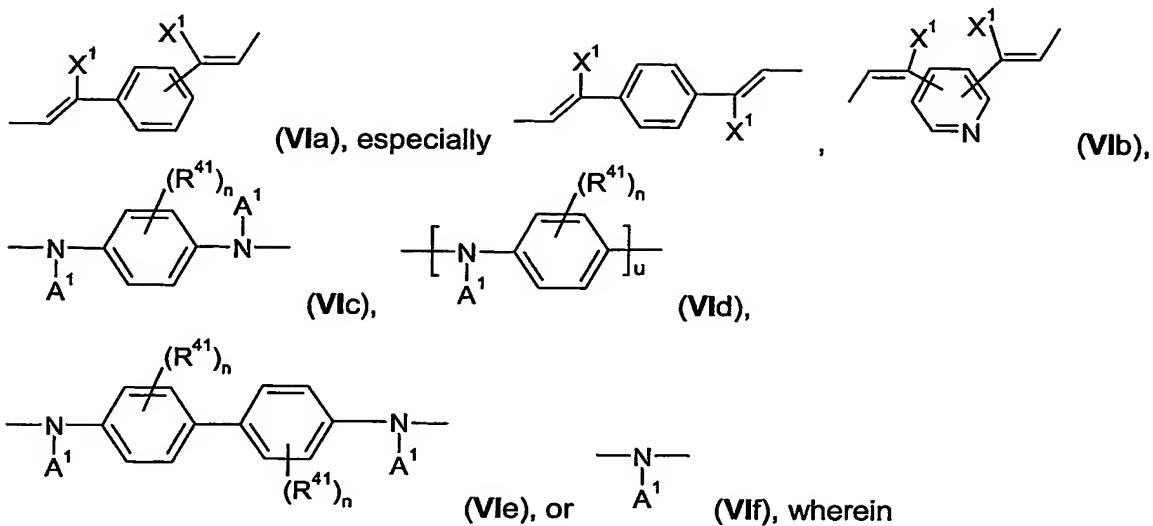


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5 wherein X is O, S, or  $NR^{45}$ ,

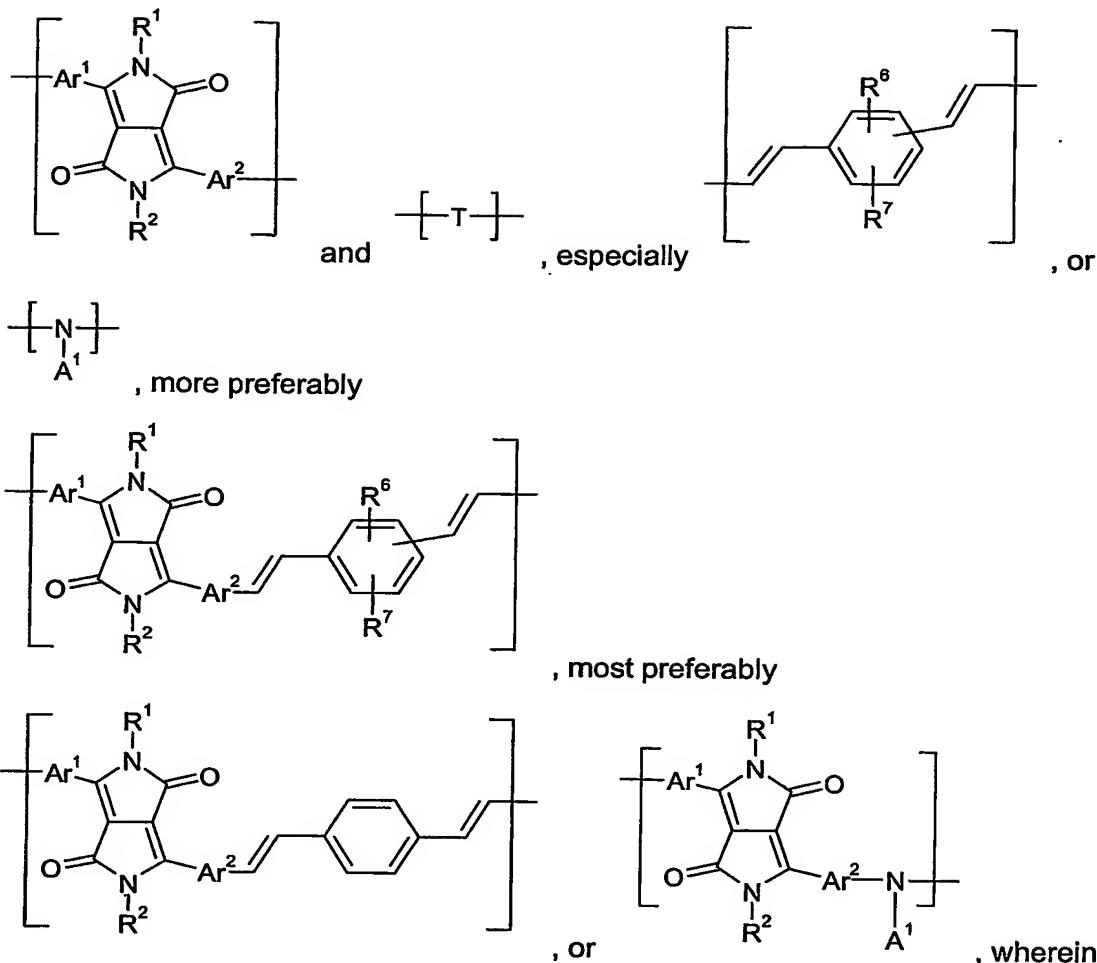
$R^{43}$  is a hydrogen atom, a  $C_1$ - $C_{25}$ alkyl group, a  $C_4$ - $C_{18}$ cycloalkyl group, a  $C_1$ - $C_{25}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-NR^{45}-$ ,  $-O-$ ,  $-S-$ ,  $-C(=O)-O-$ , or,  $-O-C(=O)-O-$ , and/or wherein one or more hydrogen atoms can be replaced by F, a  $C_6$ - $C_{24}$ aryl group, or a  $C_6$ - $C_{24}$ aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups  $R^{41}$ , or CN, or two or more groups  $R^{43}$  and/or  $R^{44}$ , which are in neighbourhood to each other, form a ring; and  $A^1$ ,  $R^{41}$ ,  $R^{42}$ ,  $R^{44}$ ,  $R^{45}$ , m, n, o and p are as defined above; and/or repeating unit(s)  $-T-$  which is selected from the group consisting of



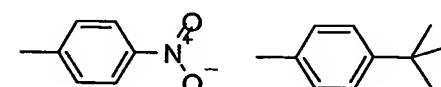
X<sup>1</sup> is a hydrogen atom, or a cyano group,

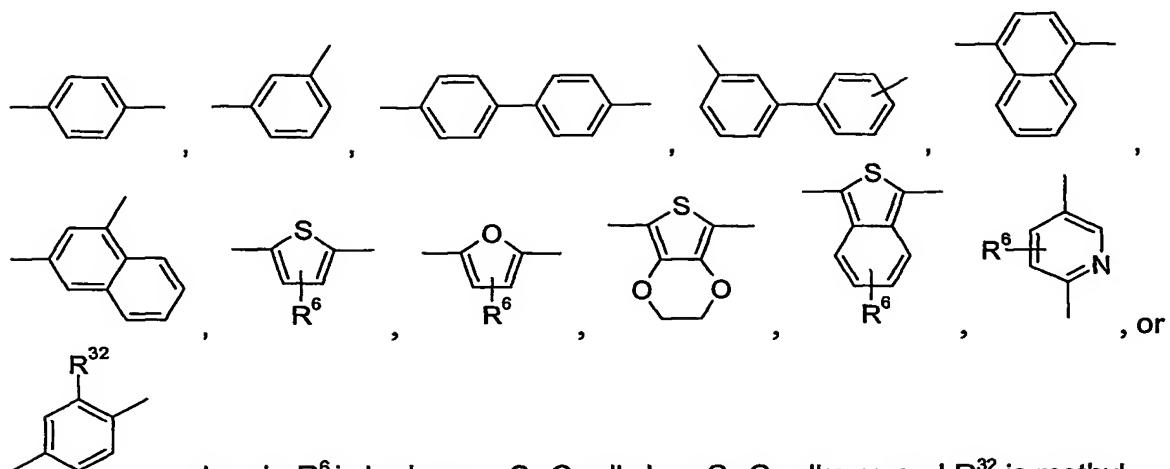
5 R<sup>41</sup> can be the same or different at each occurrence and is Cl, F, CN, N(R<sup>45</sup>)<sub>2</sub>, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or  
 10 two or more groups R<sup>41</sup> form a ring system;  
 n can be the same or different at each occurrence and is 0, 1, 2, or 3, especially 0, 1, or 2, very especially 0 or 1, and u is 1, 2, 3, or 4;  
 15 A<sup>1</sup> is a C<sub>6</sub>-C<sub>24</sub>aryl group, a C<sub>2</sub>-C<sub>30</sub>heteroaryl group, especially phenyl, naphthyl, anthryl, biphenyl, 2-fluorenyl, phenanthryl, or perylenyl, which can be substituted by one or more non-aromatic groups R<sup>41</sup>.

5. The polymer according to claim 4, wherein the polymer comprises a repeating unit of  
 20 formula



5  $R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group, especially a  $C_4$ - $C_{12}$ alkyl group, which can be interrupted by one or more oxygen atoms,  
 $R^6$  and  $R^7$  are as defined above and are especially H, halogen, CN,  $C_1$ - $C_{12}$ alkyl,  $C_1$ - $C_{12}$ alkoxy, or  $C_6$ - $C_{14}$ aryl,  
 10  $A^1$  is a  $C_6$ - $C_{24}$ aryl group, a  $C_2$ - $C_{30}$ heteroaryl group, which can be substituted by one or more non-aromatic groups  $R^{41}$ , or  $NO_2$ , preferably a phenyl group, which is substituted

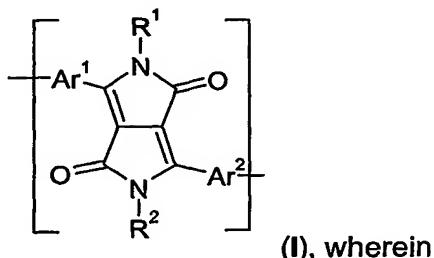

 by  $C_1$ - $C_4$ alkyl, or  $NO_2$ , in particular group, in particular an antrh-2-yl group, and  $Ar^1$  and  $Ar^2$  are independently of each other a group of formula



 , wherein R<sup>6</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy, and R<sup>32</sup> is methyl, Cl, or OMe.

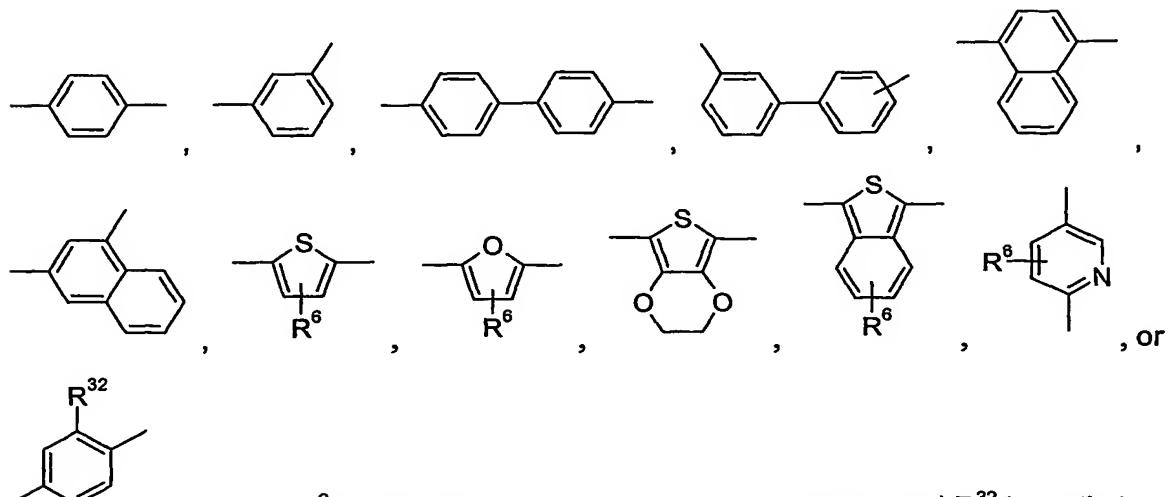
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6. The polymer according to claim 1, wherein the polymer is homopolymer comprising a repeating unit of formula



$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group, especially a  $C_4$ - $C_{12}$ alkyl group, which can be interrupted by one or more oxygen atoms, and  $Ar^1$  and  $Ar^2$  are independently of each other a group of formula

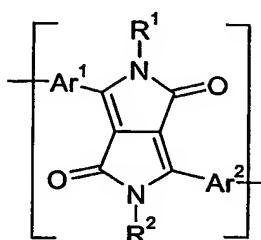
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, wherein R<sup>d</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy, and R<sup>32</sup> is methyl, Cl, or OMe.

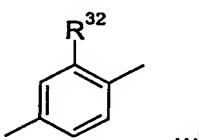
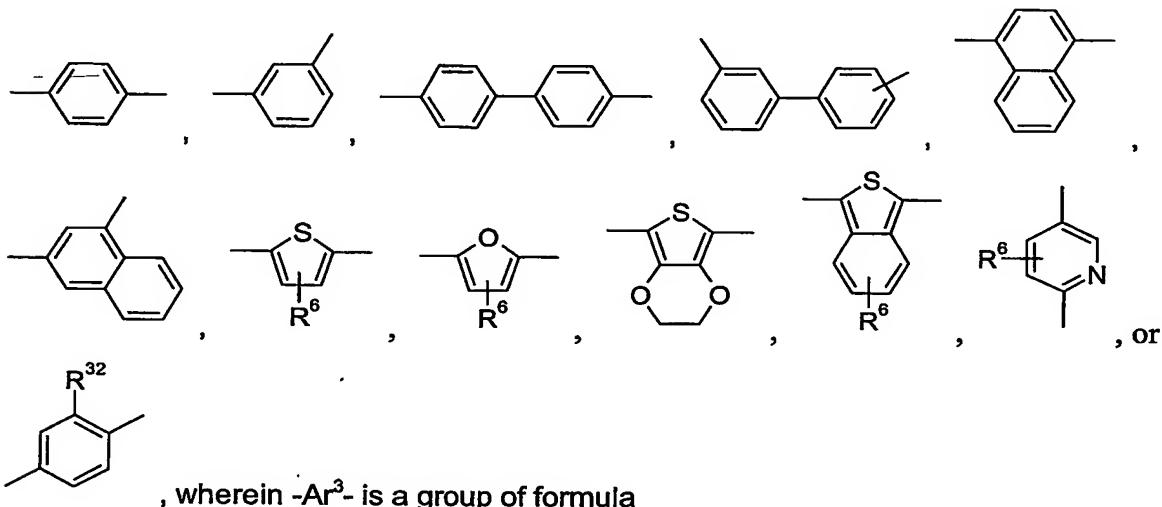
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7. The polymer according to claim 1, wherein the polymer comprises a repeating unit of formula

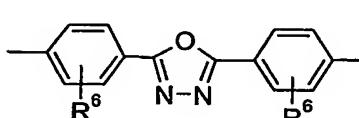
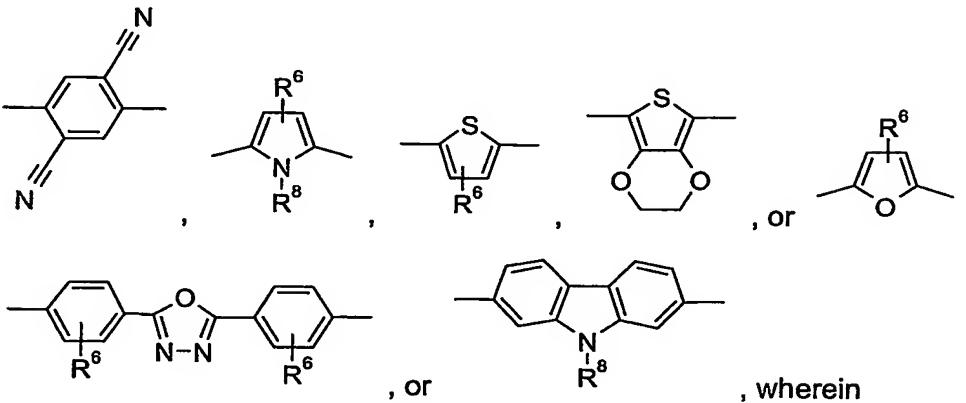


(I) and a repeating unit  $[\text{Ar}^3]$ , wherein

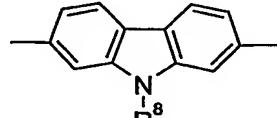
R¹ and R² are independently of each other a C<sub>1</sub>-C<sub>25</sub>alkyl group, especially a C<sub>4</sub>-C<sub>12</sub>alkyl group, which can be interrupted by one or more oxygen atoms, and Ar¹ and Ar² are independently of each other a group of formula



, wherein -Ar³- is a group of formula



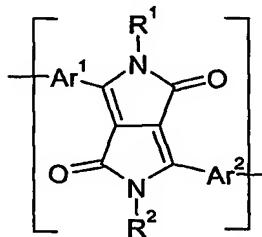
, or



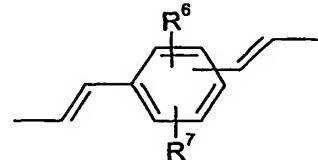
, wherein

R⁶ is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy, and R³² is methyl, Cl, or OMe, and R⁸ is H, C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, especially C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-, wherein D and E are as defined in claim 4.

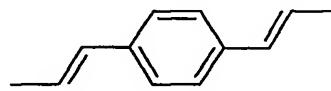
8. The polymer according to claim 1, wherein the polymer is a terpolymer comprising a repeating unit of formula



(I), a repeating unit of formula



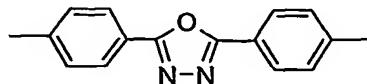
, especially



, and a repeating unit of formula of formula



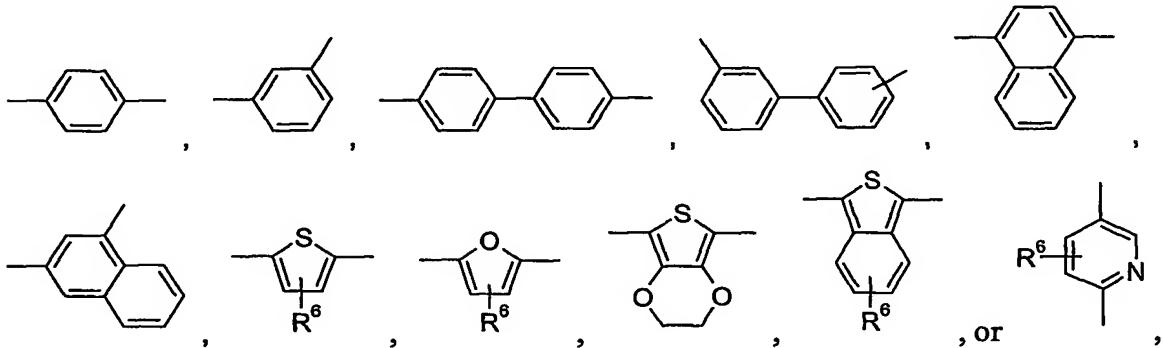
, especially



, wherein

5

R¹ and R² are independently of each other a C<sub>1</sub>-C<sub>25</sub>alkyl group, especially a C<sub>4</sub>-C<sub>12</sub>alkyl group, which can be interrupted by one or more oxygen atoms, and Ar¹ and Ar² are independently of each other a group of formula



10

R⁶ and R⁷ are independently of each other H, halogen, CN, C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy, or C<sub>6</sub>-C<sub>14</sub>aryl,

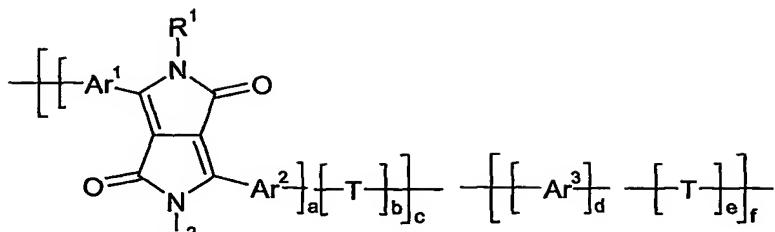
R⁴¹ is Cl, F, CN, N(R⁴⁵)<sub>₂</sub>, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, or C<sub>6</sub>-C<sub>14</sub>aryl, wherein

R⁴⁵ is H, a C<sub>1</sub>-C<sub>25</sub>alkyl group, or a C<sub>1</sub>-C<sub>25</sub>alkoxy group, and

15

n is 0, 1, or 2.

9. The polymer according to claim 1, wherein the polymer is a polymer of formula



(VII), wherein

$R^1$ ,  $R^2$ ,  $Ar^1$ ,  $Ar^2$ ,  $T$  and  $Ar^3$  are as defined in claim 1,

$a$  is 1,

$b$  is 0, or 1,

5  $c$  is 0.005 to 1,

$d$  is 0, or 1,

$e$  is 0, or 1, wherein  $e$  is not 1, if  $d$  is 0,

$f$  is 0.995 to 0, wherein the sum of  $c$  and  $f$  is 1.

10 10. An electronic device or a component therefore, comprising the polymer according to any of claims 1 to 9.

15 11. An electronic device according to claim 10, wherein the device comprises an electroluminescent device.

12. An electronic device according to claim 11, wherein the electroluminescent device comprises

(a) a charge injecting layer for injecting positive charge carriers,

(b) a charge injecting layer for injecting negative charge carriers,

20 (c) a light-emissive layer located between the layers (a) and (b) comprising the polymer according to any of claims 1 to 9.

13. Use of the polymers according to any of claims 1 to 9, in polymer light emitting diodes (PLEDs), especially as electroluminescent material.

25 14. PLEDs, organic integrated circuits (O-ICs), organic field effect transistors (OFETs), organic thin film transistors (OTFTs), organic solar cells (O-SCs), or organic laser diodes comprising one or more of the polymers according to any of claims 1 to 9.